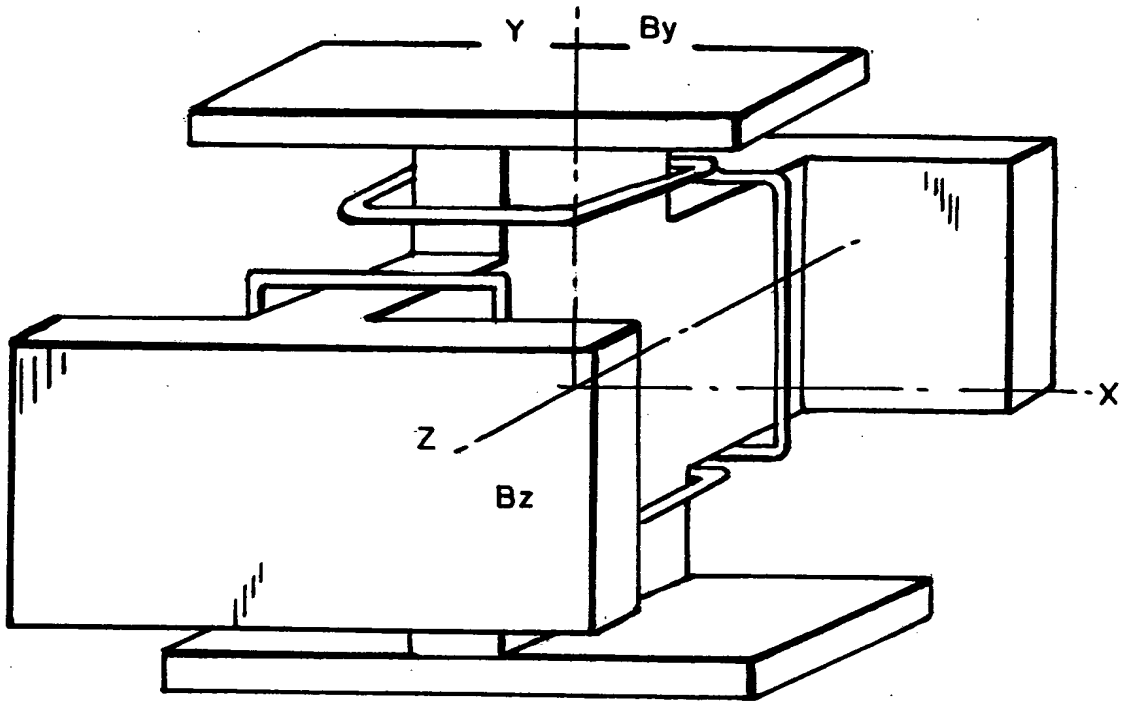

FIG. 1

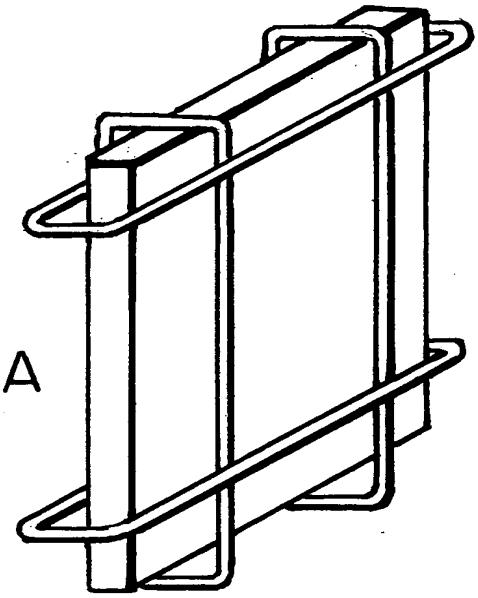

FIG. 2A

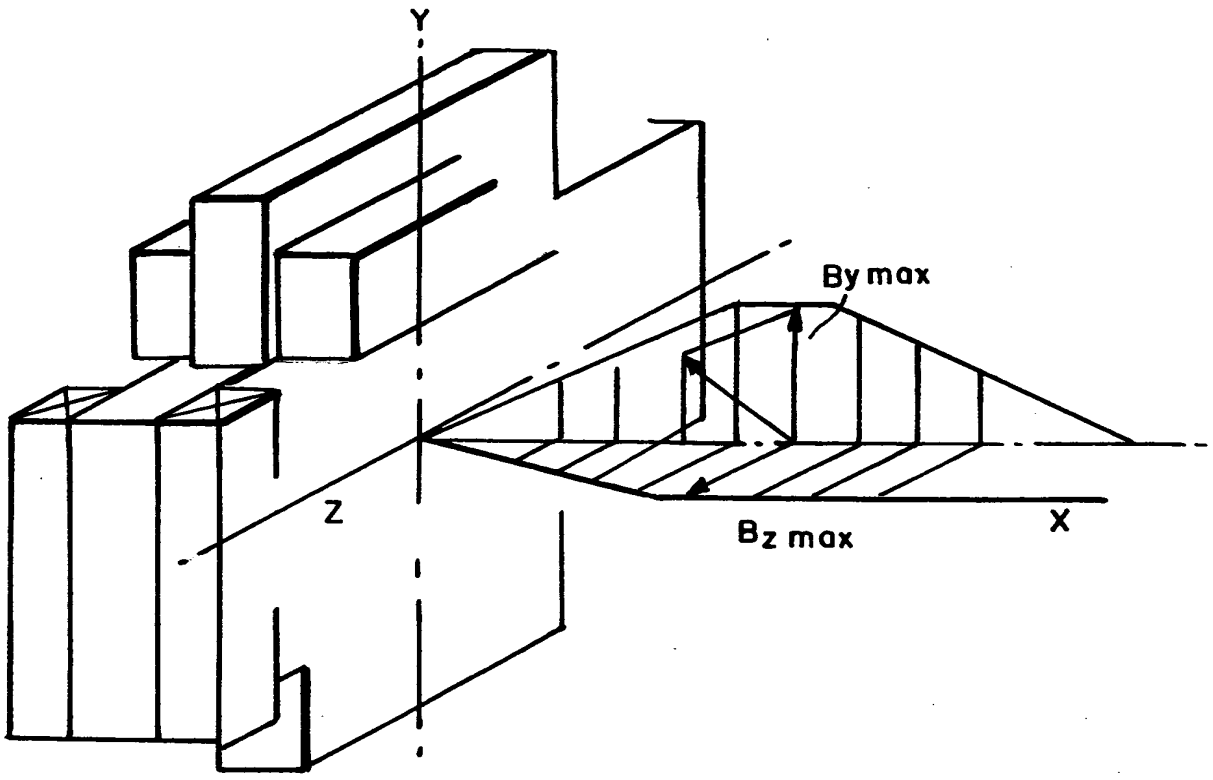

FIG. 2B

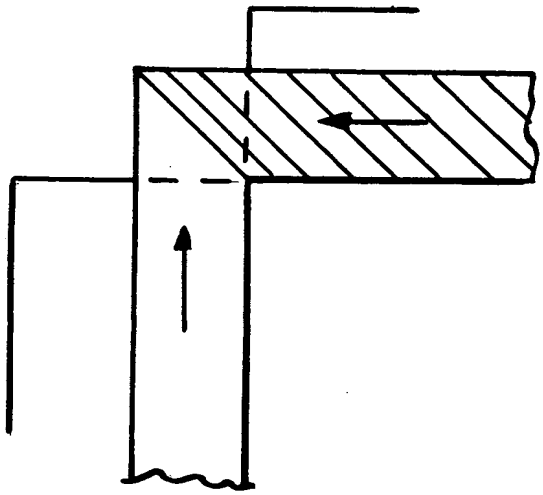

FIG. 2C

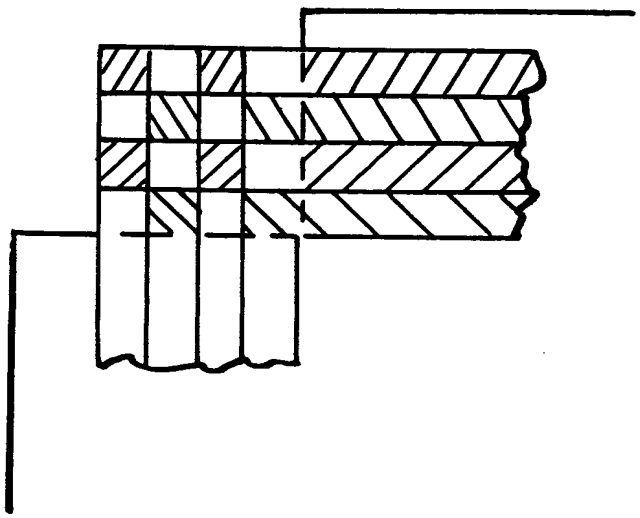

FIG. 2D

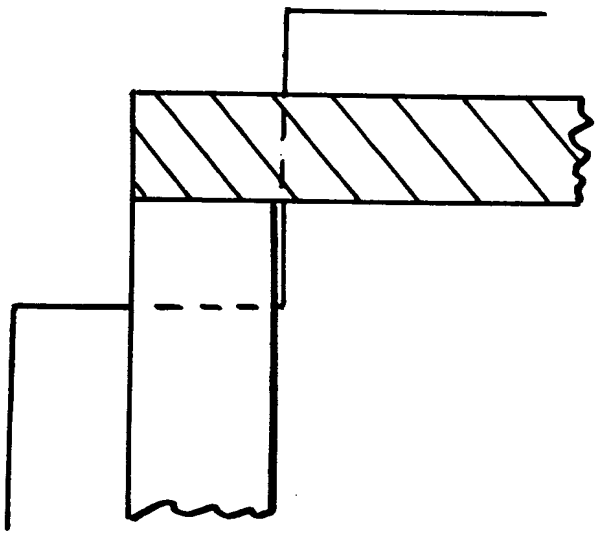

FIG. 2E

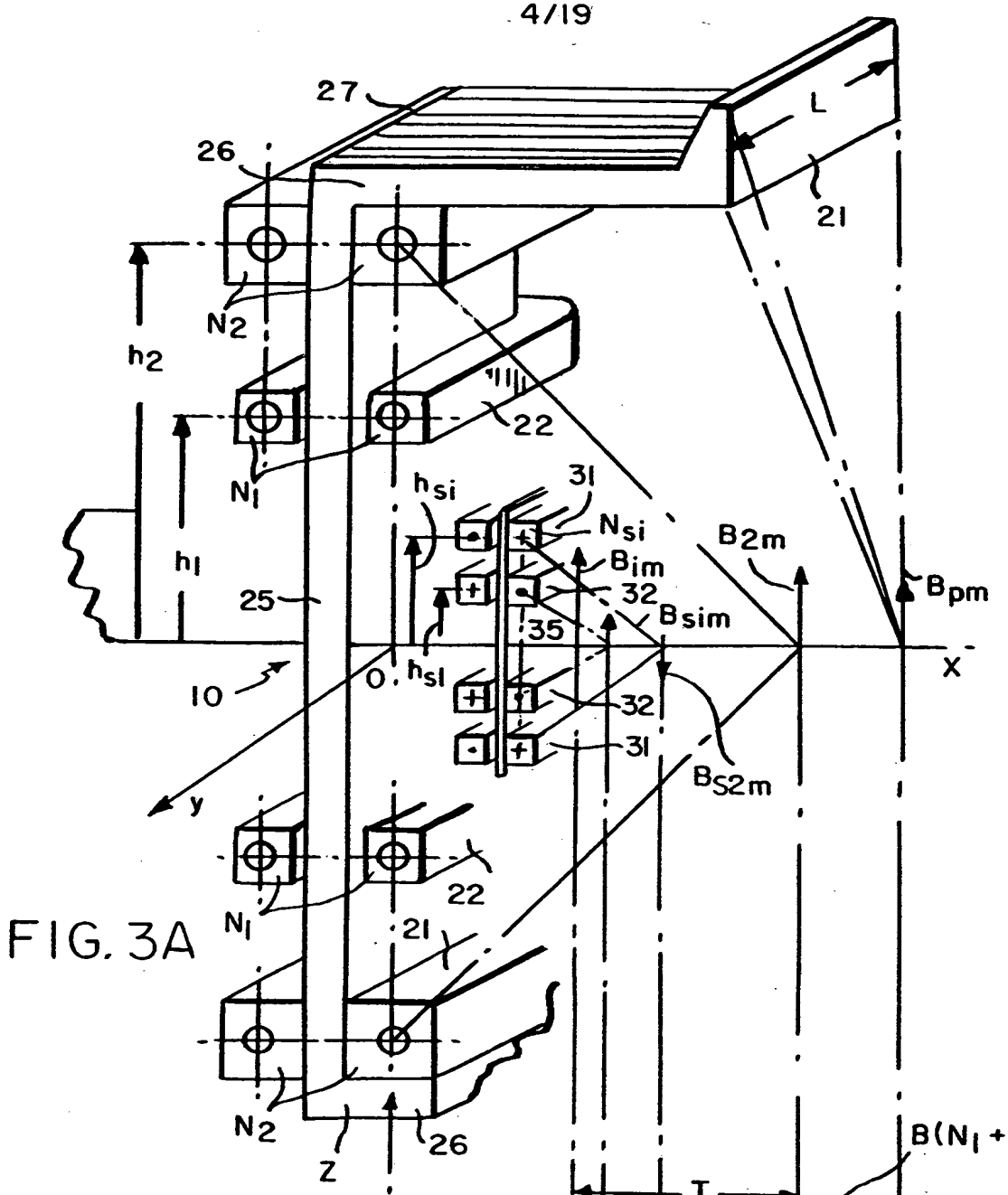
27
26
L
21
N2
h2
22
N1
hsi
31
Nsi
B2m
Bim
32
Bpm
25
h1
35
Bsim
X
10
0
hsl
32
31
BS2m
y
22
N1
21
N2
26
Z

FIG. 3A

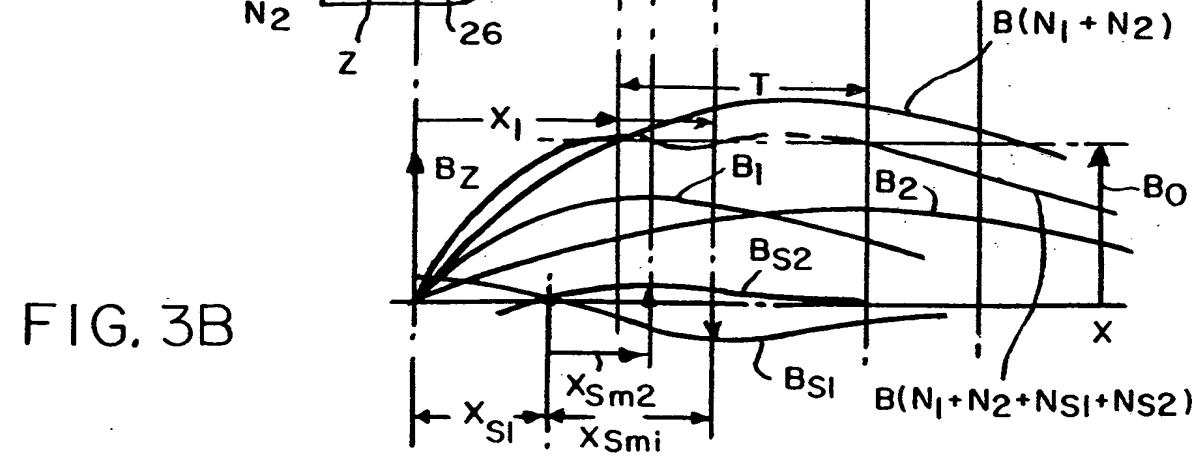
B(N1 + N2)
T
X1
BZ
B1
B2
BO
BS2
X
BSl
XSm2
XSl
XSmi
B(N1+N2+NSl+NS2)

FIG. 3B

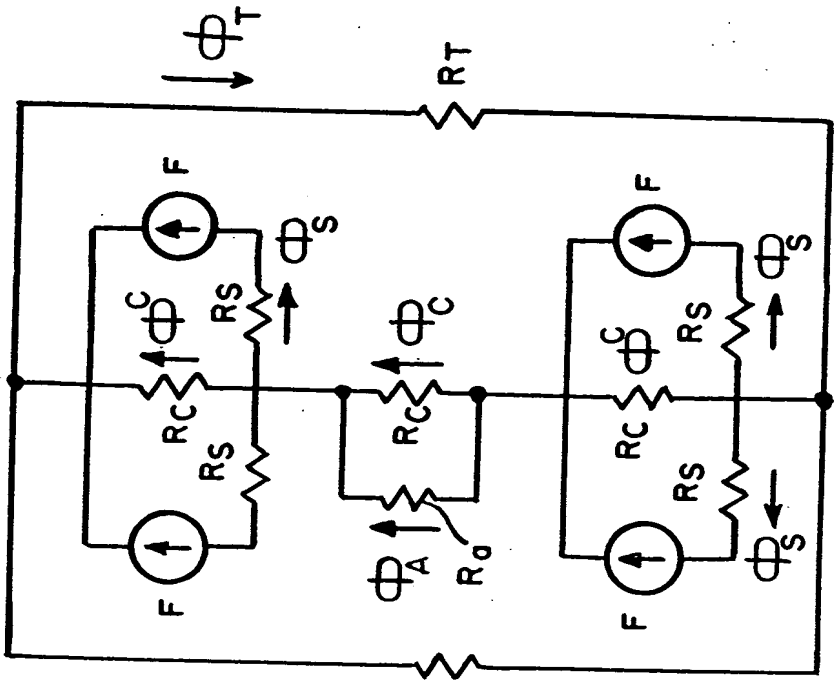

FIG. 4B

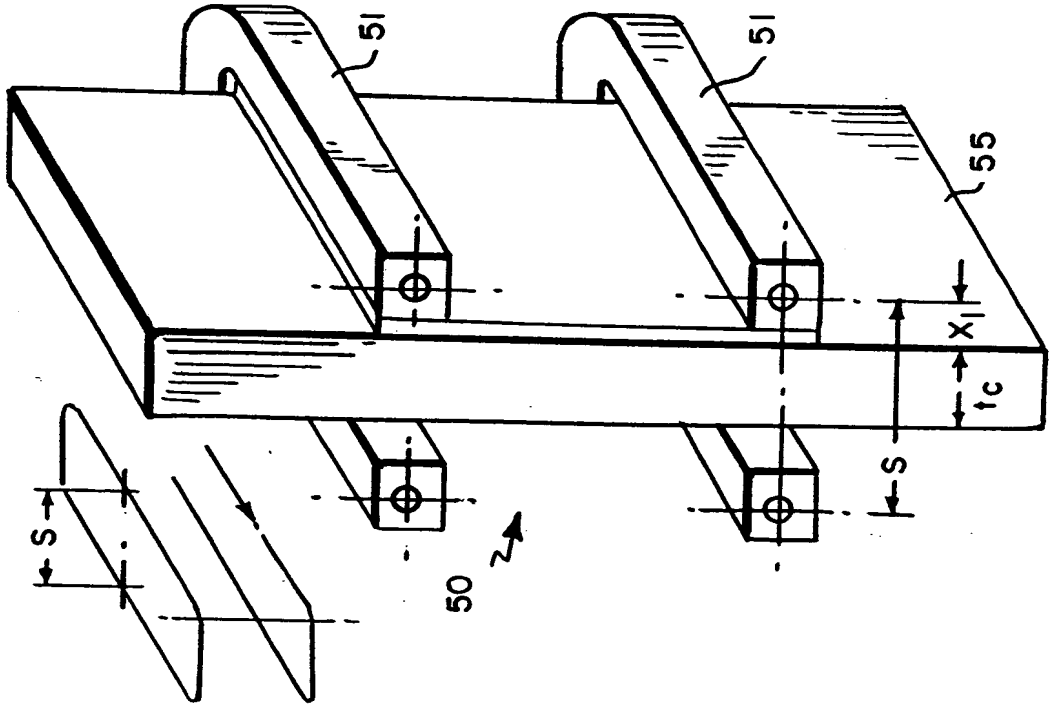

FIG. 4A

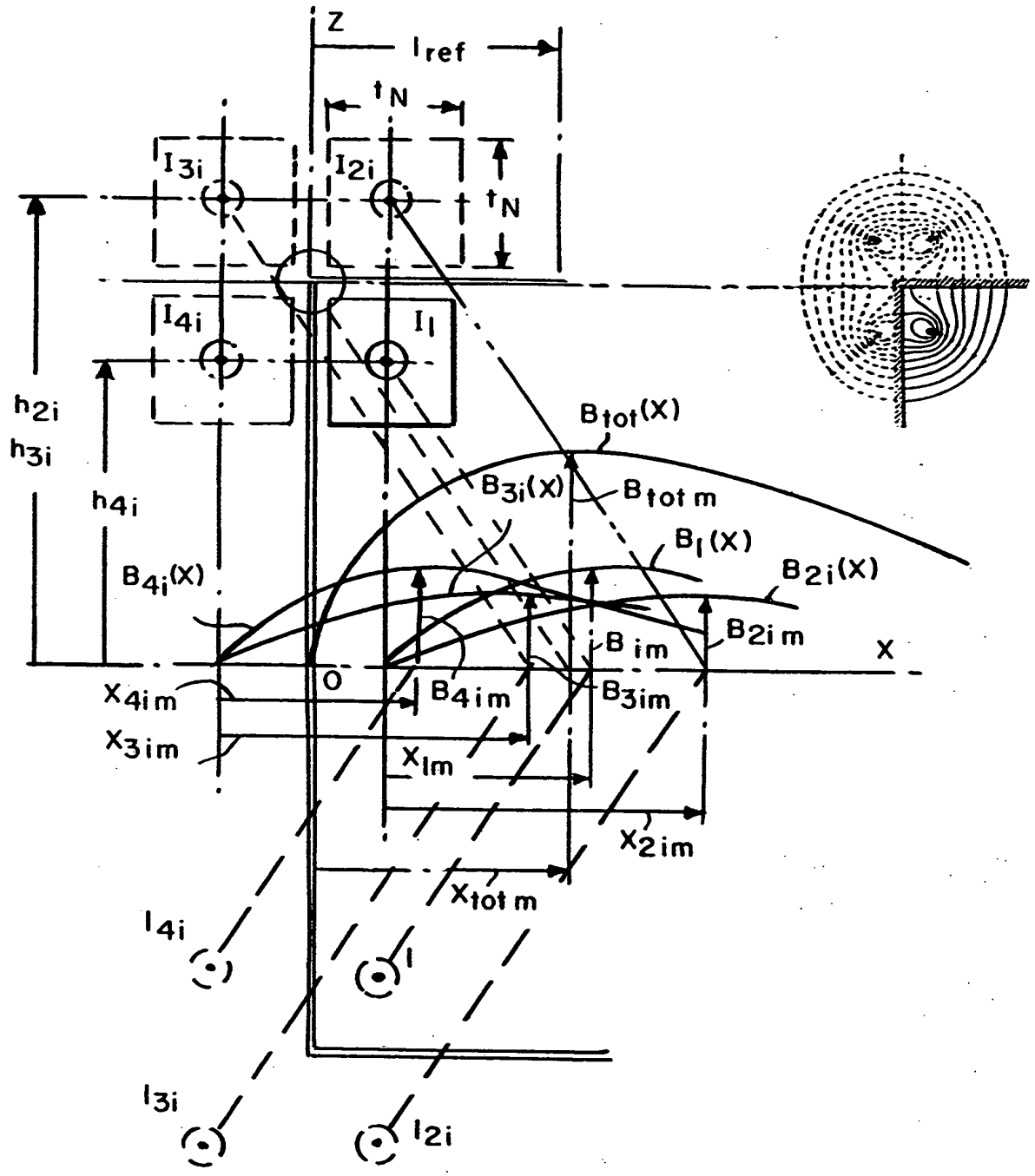
Z
l_{ref}
t_N
I_{3i}
I_{2i}
t_N
I_{4i}
I_l
h_{2i}
h_{3i}
h_{4i}
$B_{tot}(X)$
$B_{3i}(X)$
$B_{tot\,m}$
$B_l(X)$
$B_{2i}(X)$
$B_{4i}(X)$
$B_{2i\,m}$
$B_{i\,m}$
X
0
$B_{4i\,m}$
B_{3im}
X_{4im}
X_{3im}
X_{lm}
X_{2im}
$X_{tot\,m}$
I_{4i}
I_l
I_{3i}
I_{2i}

FIG. 4C

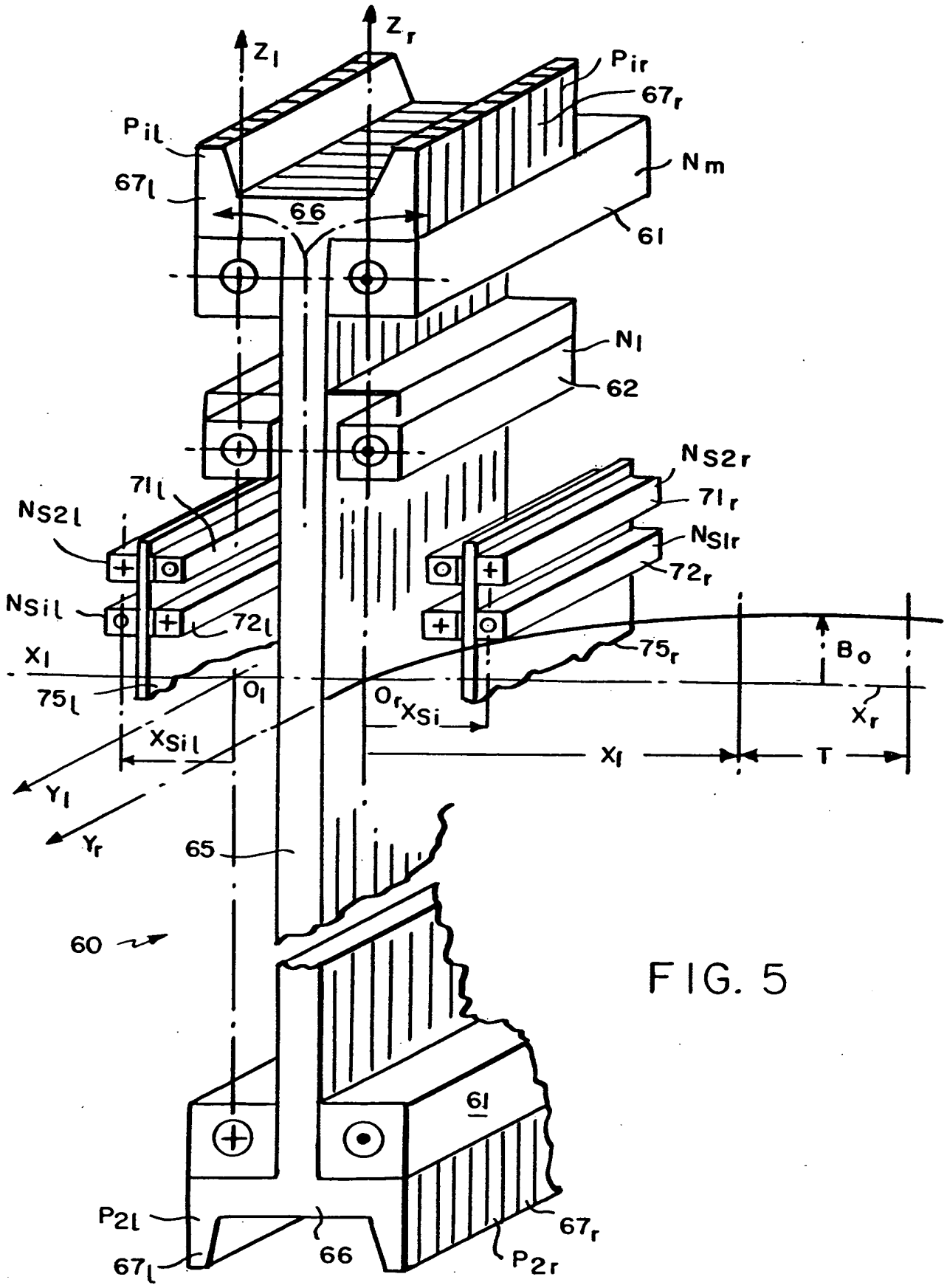
Z_l
Z_r
P_ir
67_r
P_il
67_l
N_m
66
61
N_l
62
N_S2r
71_l
71_r
N_S2l
N_Sir
72_r
N_Sil
72_l
75_r
B_o
X_l
75_l
O_l
O_r
X_Si
X_r
X_Sil
X_l
T
Y_l
Y_r
65
60
61
P_2l
67_r
67_l
66
P_2r

FIG. 5

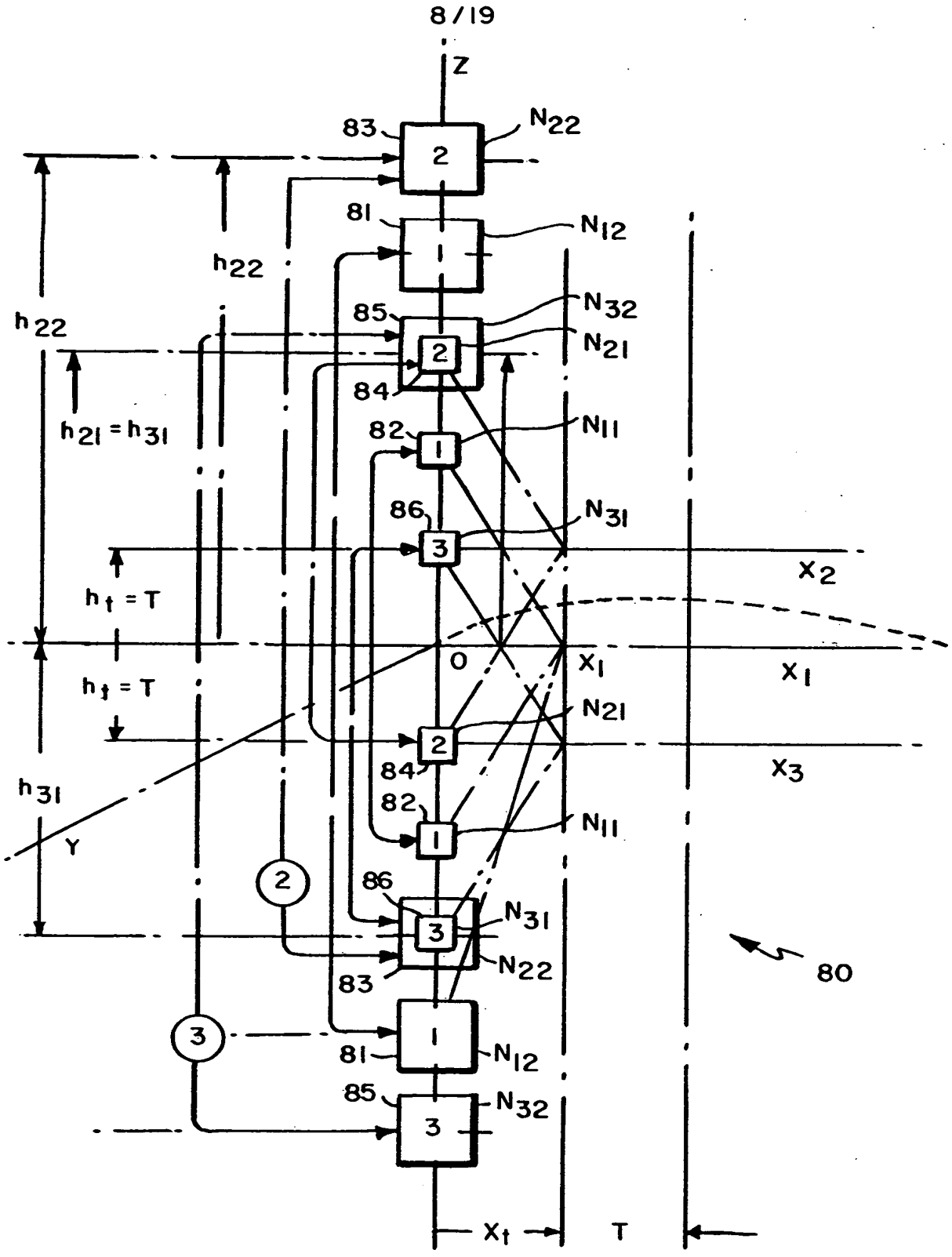
Z
83
N22
2
81
N12
1
h22
85
N32
2
N21
h22
84
h21 = h31
82
N11
1
86
N31
3
X2
ht = T
0
X1
X1
ht = T
N21
2
84
X3
h31
82
N11
1
Y
2
86
3
N31
N22
83
80
3
1
81
N12
85
N32
3
Xt
T

FIG. 6

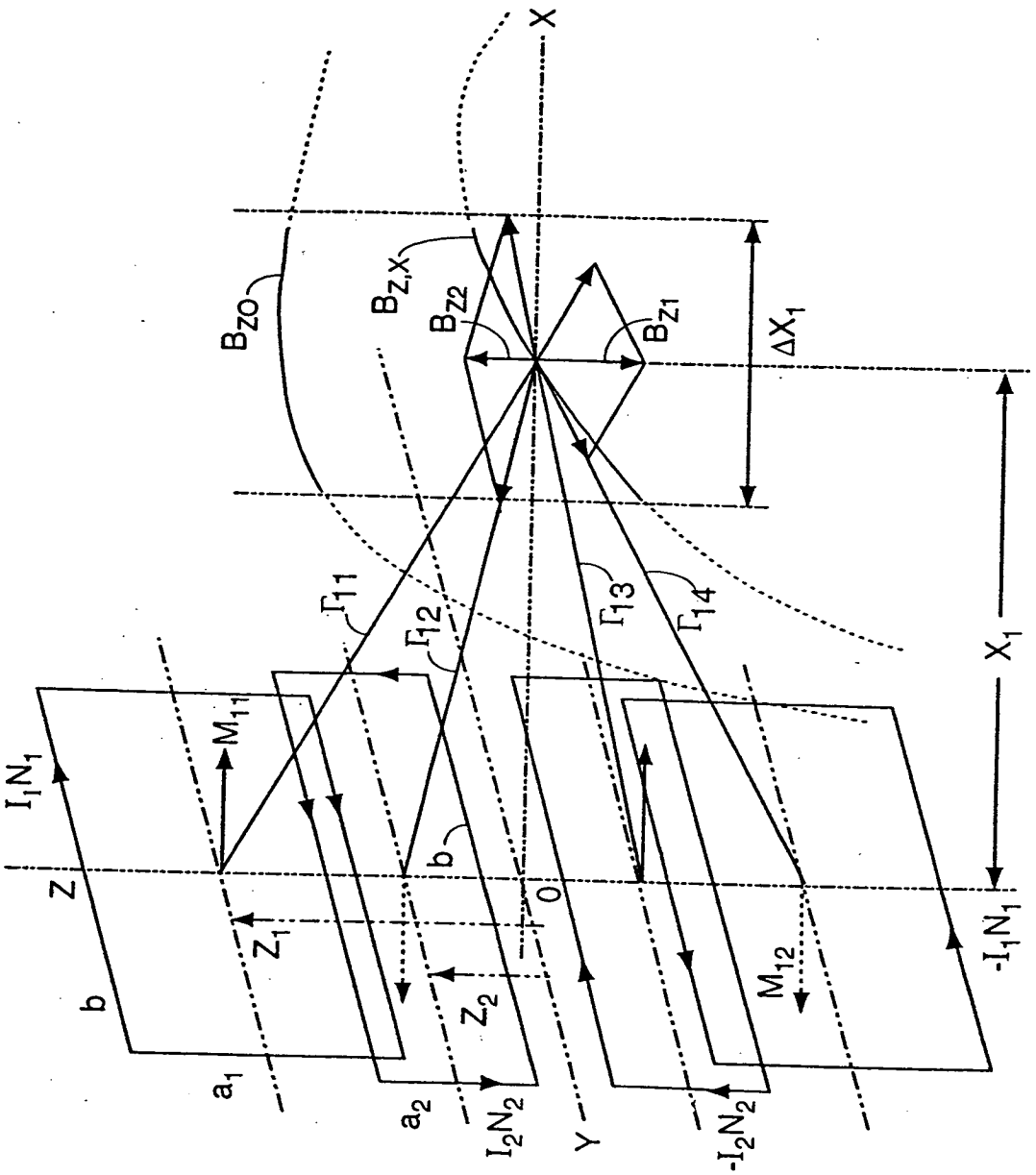
X
B_{Z0}
$B_{Z,X}$
B_{Z2}
B_{Z1}
ΔX_1
X_1
Γ_{11}
Γ_{12}
Γ_{13}
Γ_{14}
I_1N_1
M_{11}
Z
b
Z_1
Z_2
a_1
a_2
I_2N_2
Y
O
M_{12}
$-I_1N_1$
$-I_2N_2$

FIG. 7

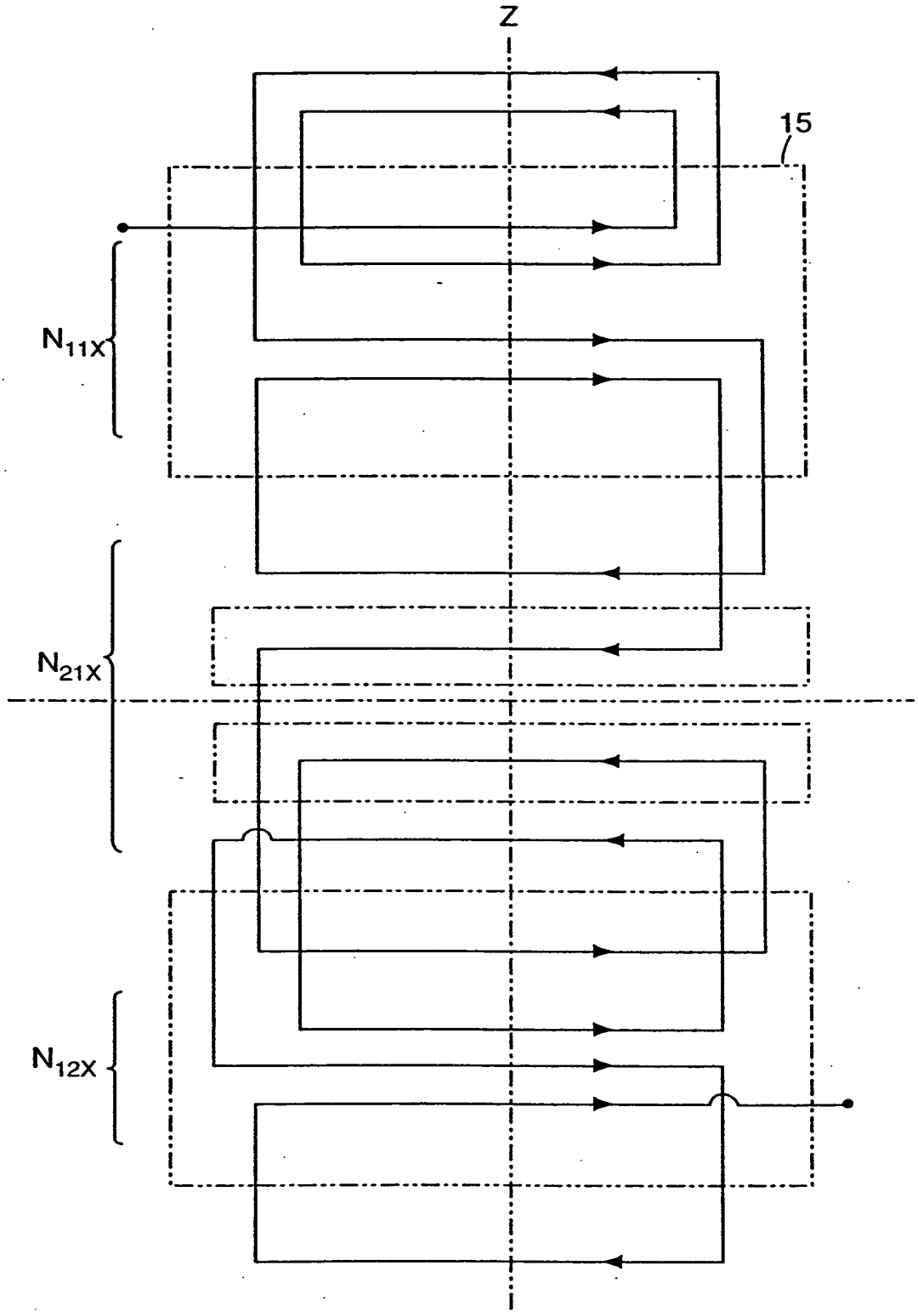

FIG. 8A

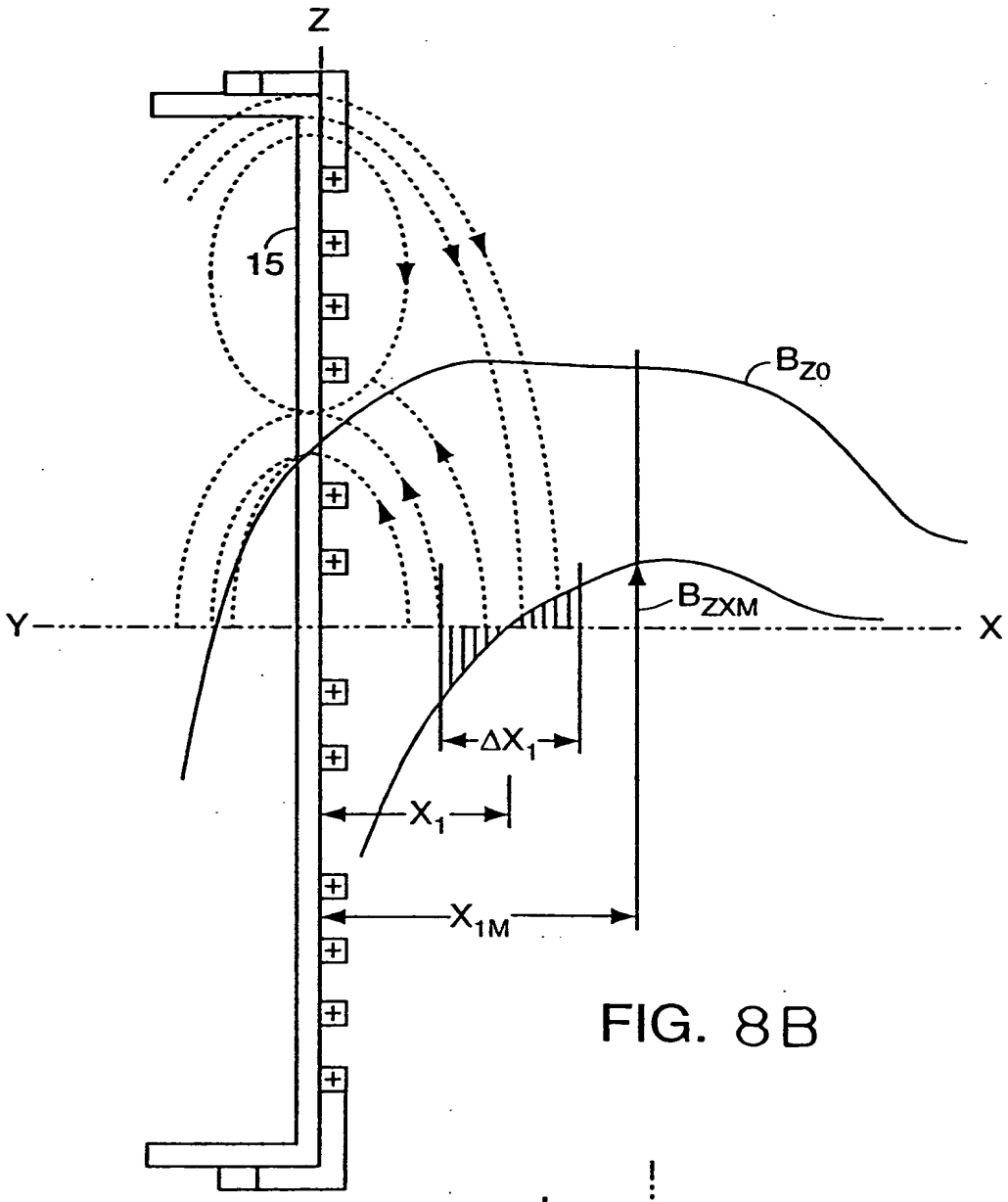
Z
15
B_{Z0}
B_{ZXM}
Y
X
ΔX_1
X_1
X_{1M}

FIG. 8B

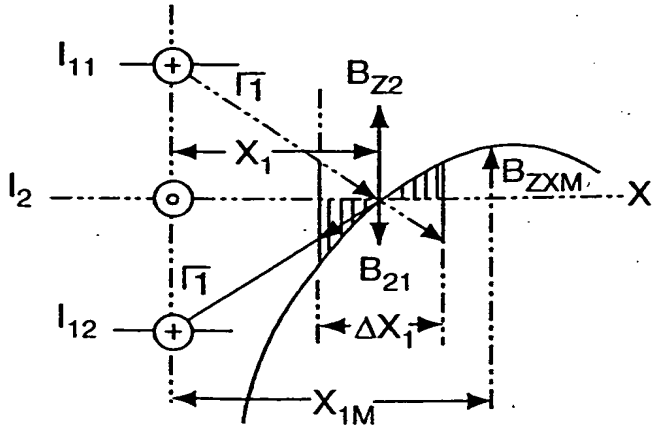
I_{11}
I_2
I_{12}
B_{Z2}
B_{21}
B_{ZXM}
X_1
ΔX_1
X_{1M}
X

FIG. 8C

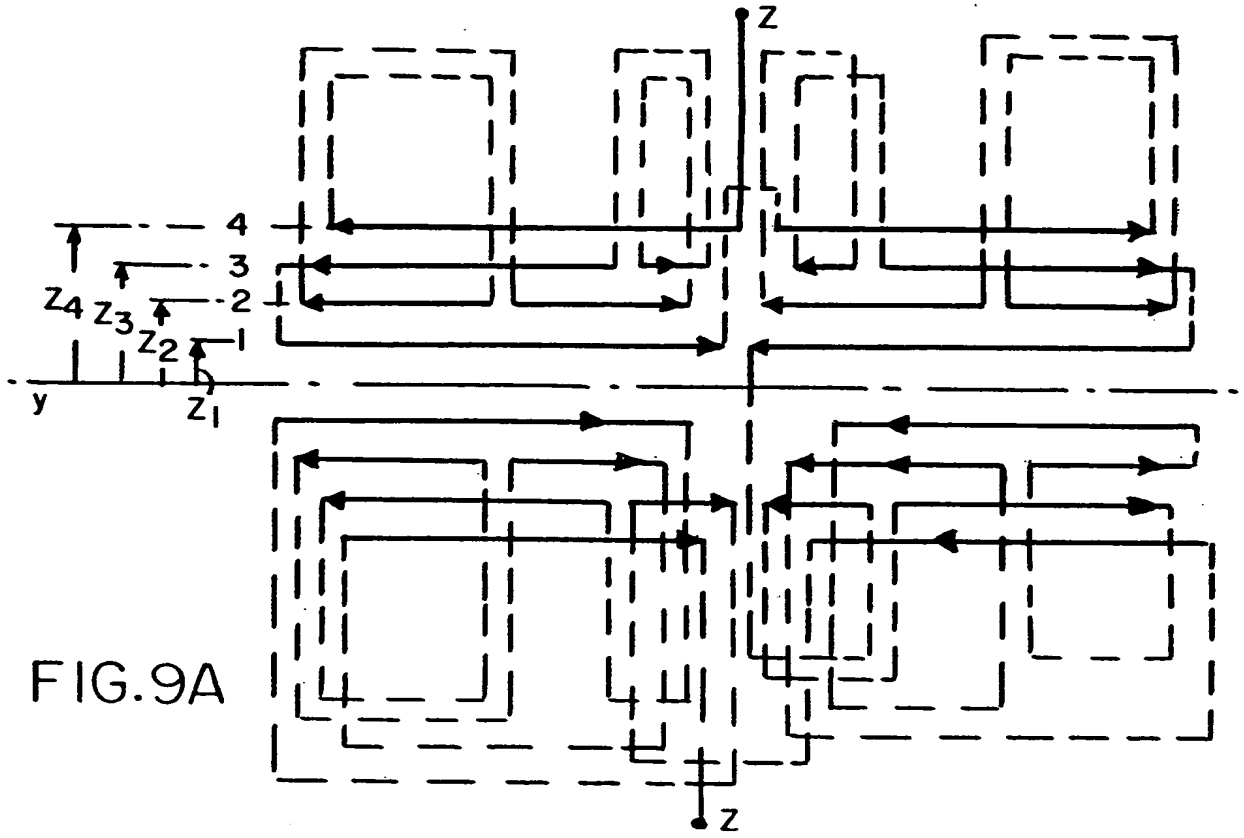

FIG.9A

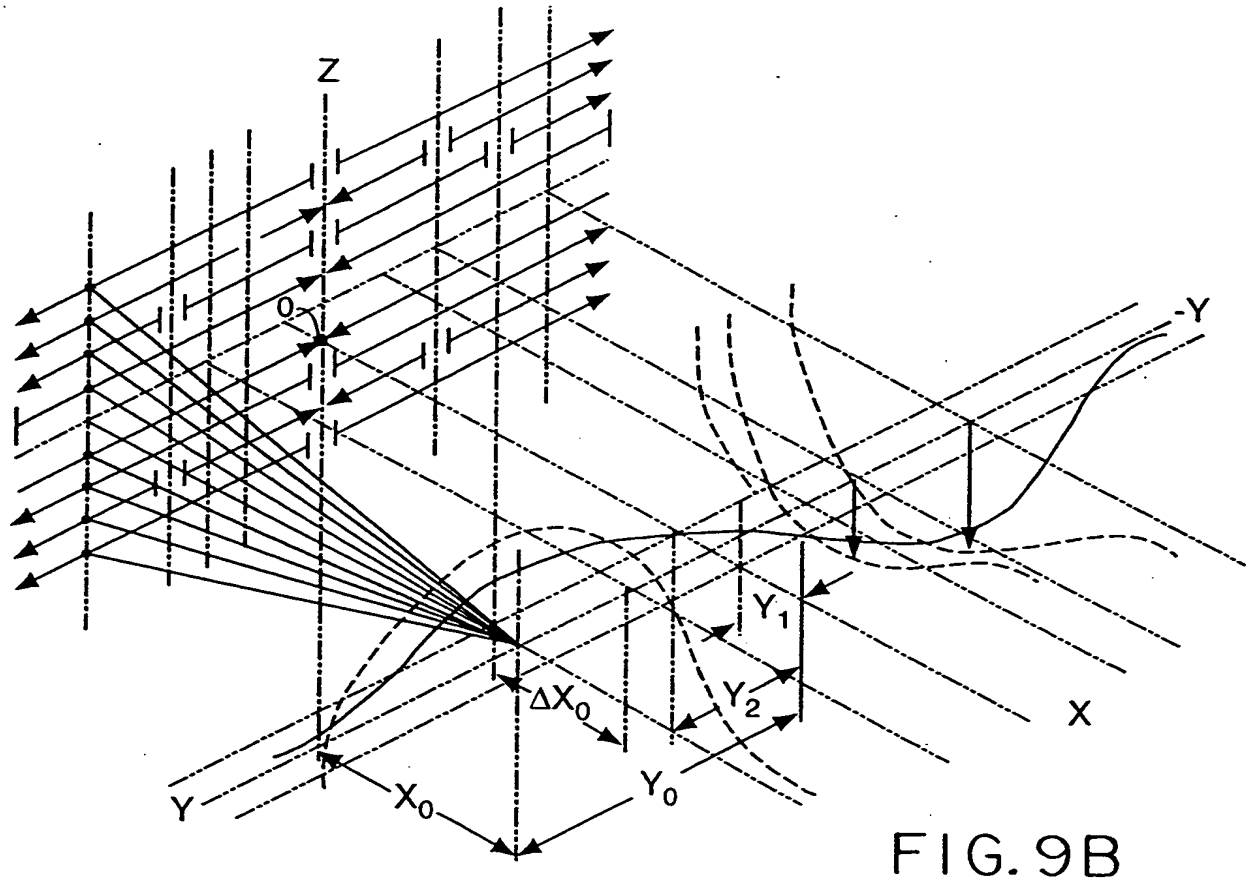

FIG.9B

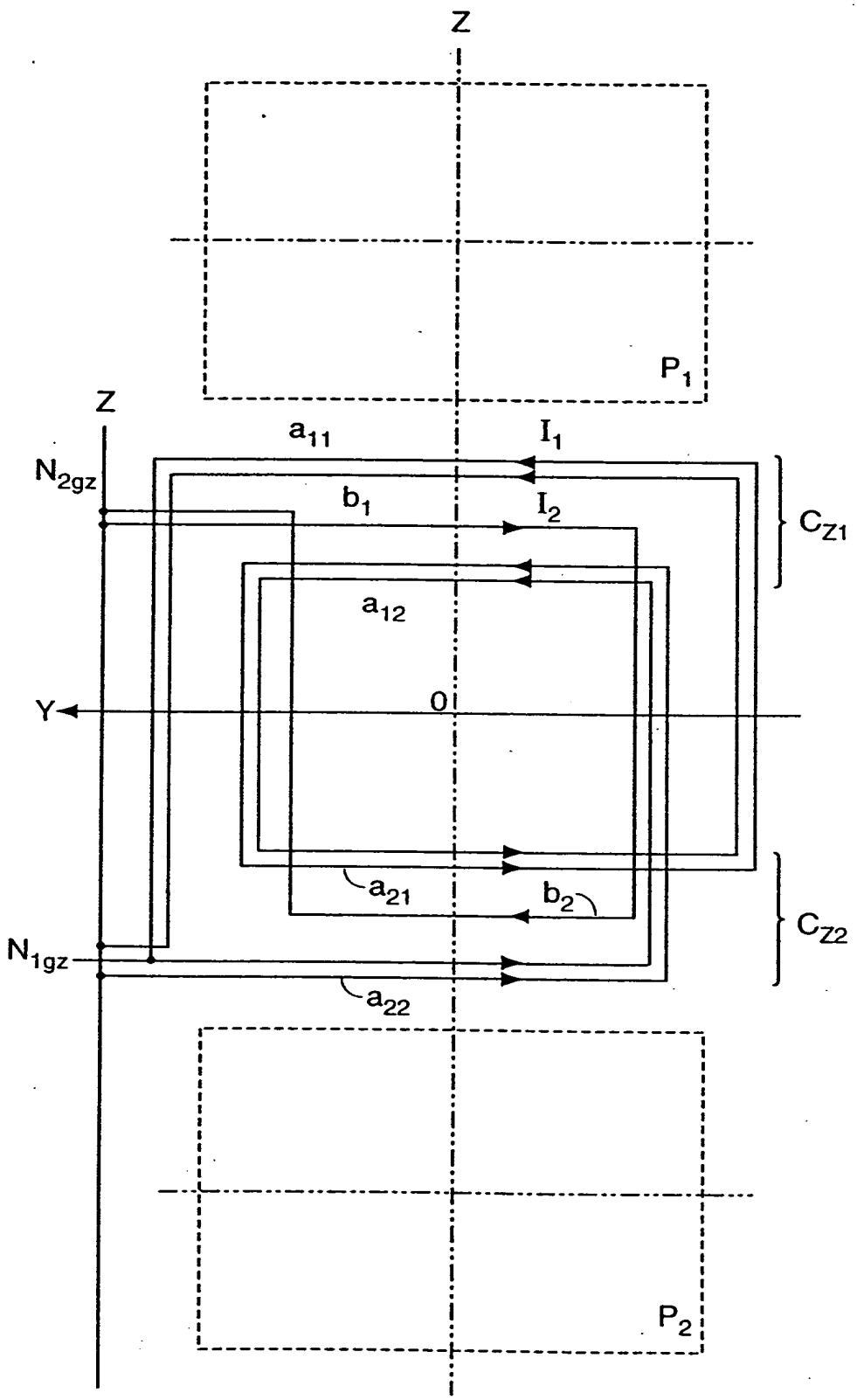

FIG. 10A

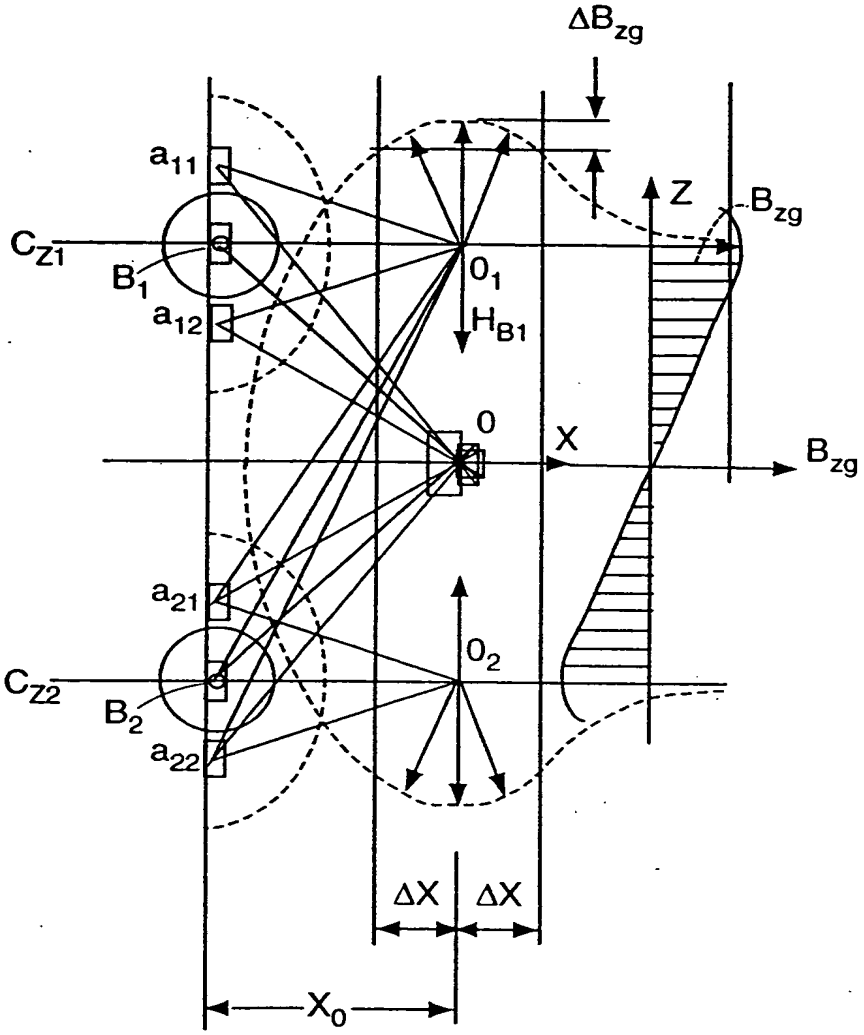

FIG. 10B

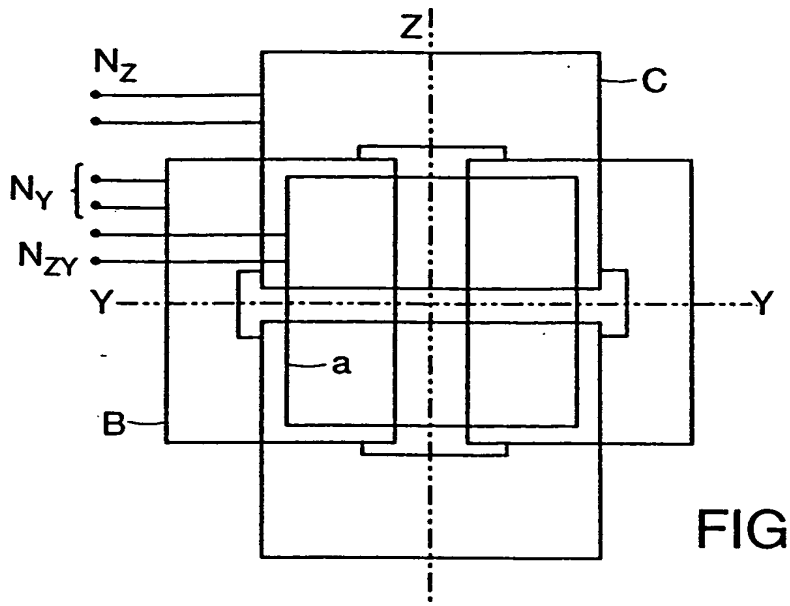

FIG. IIA

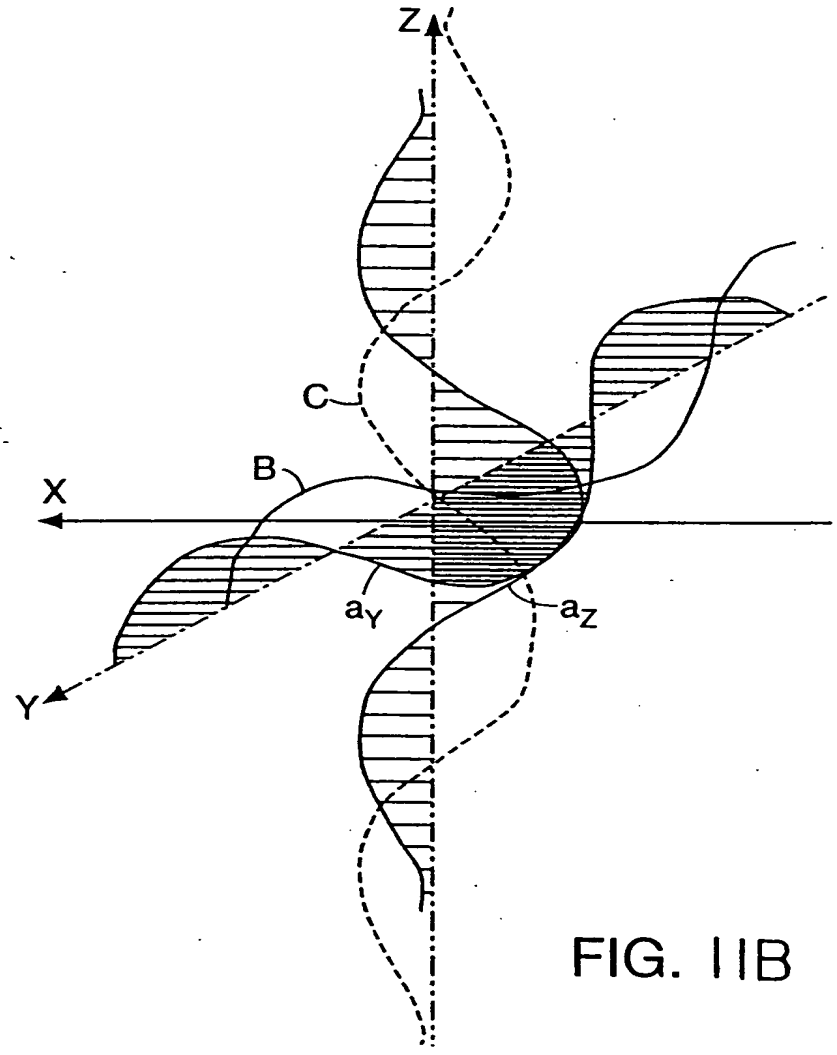

FIG. IIB

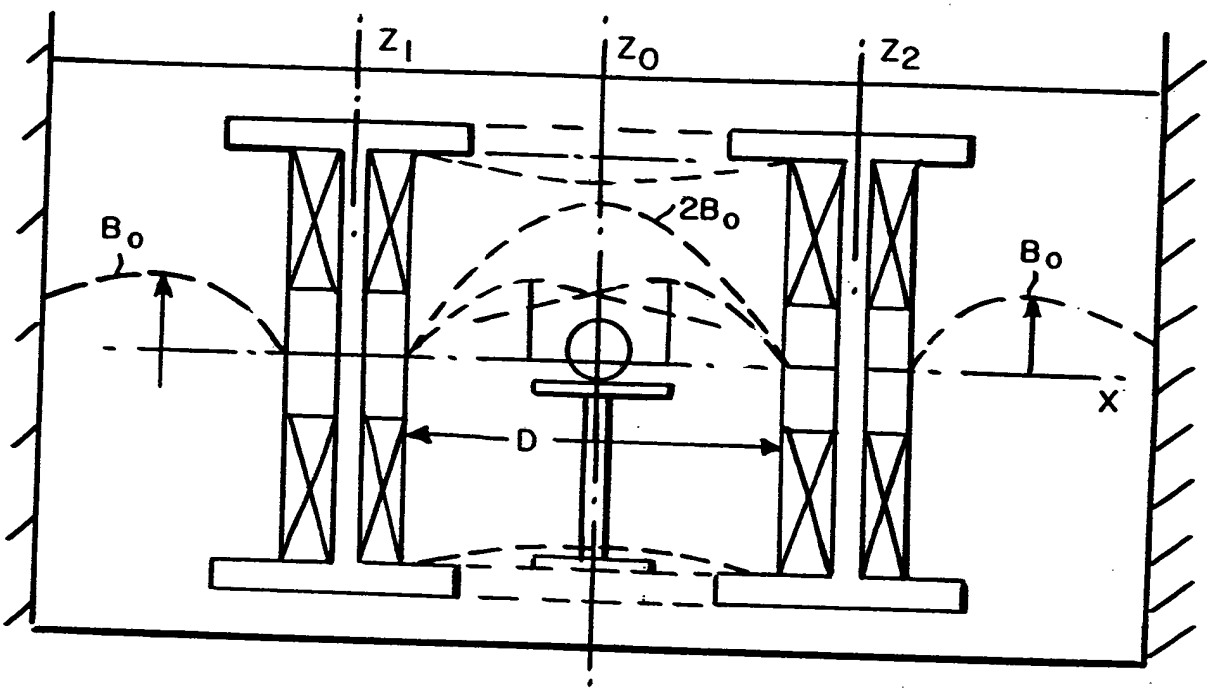

FIG. 12

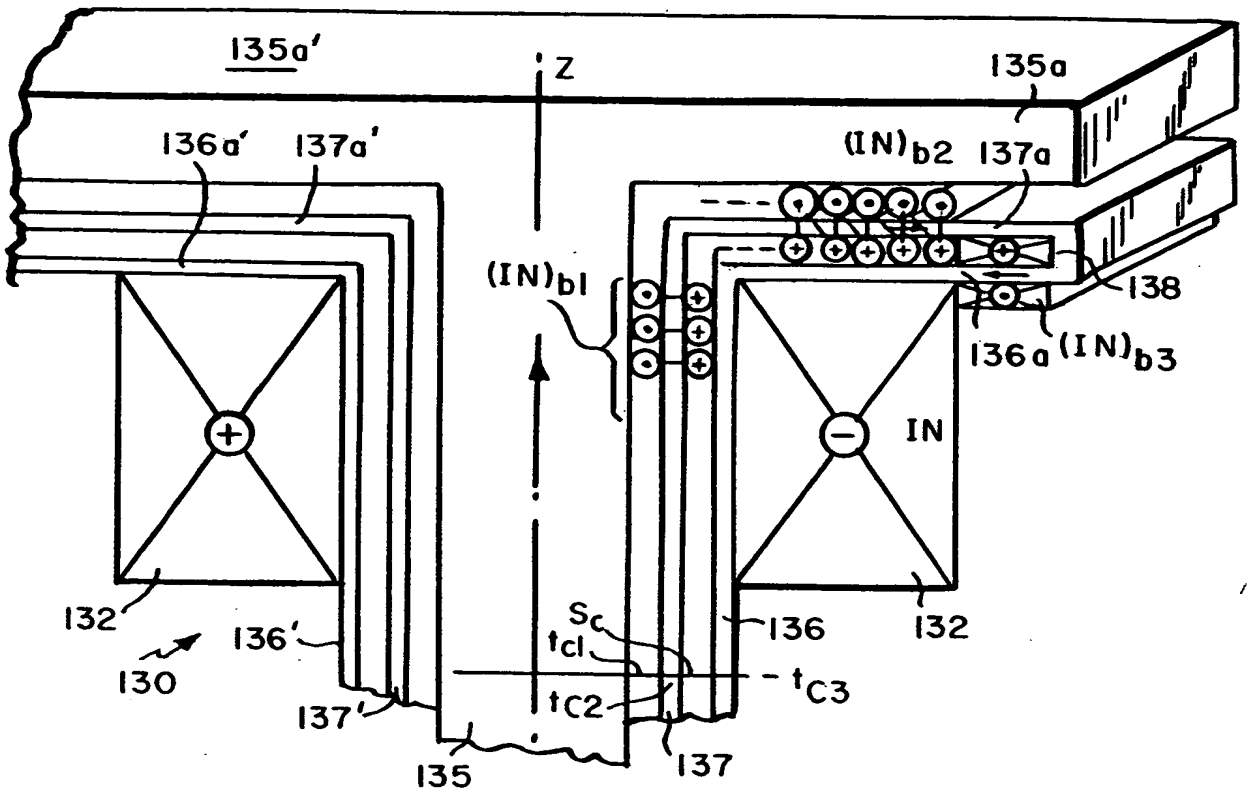

FIG. 13A

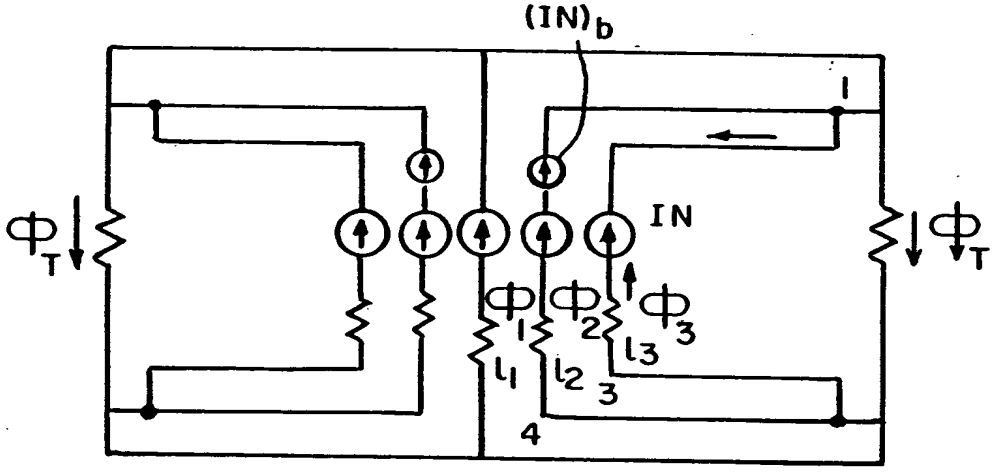

FIG. 13B

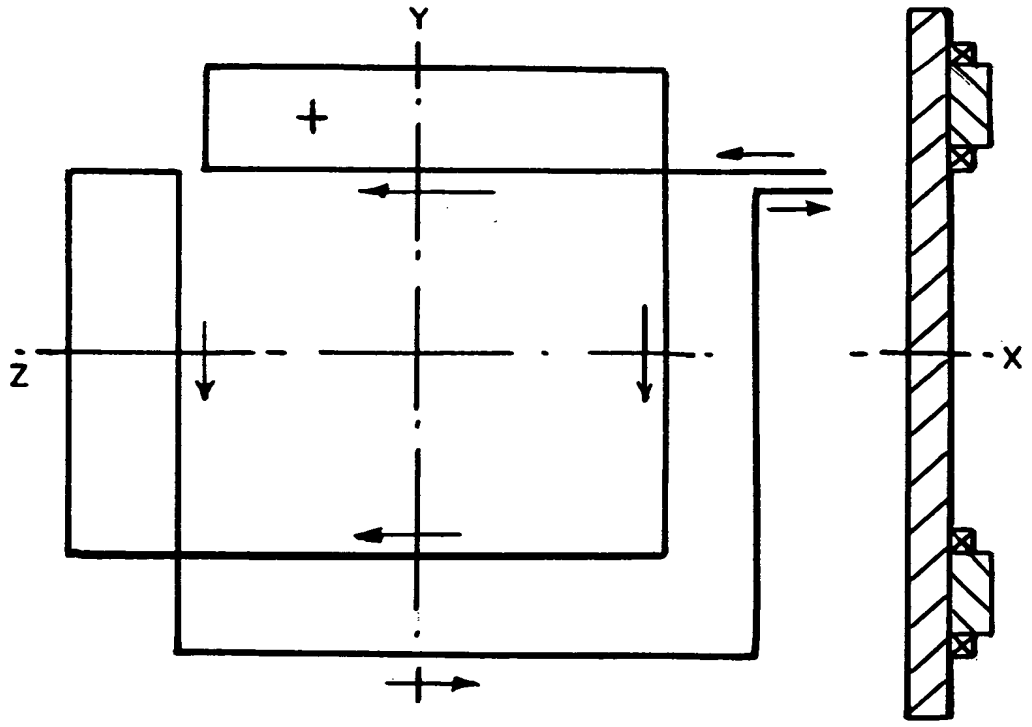

FIG. 14A

FIG. 14B

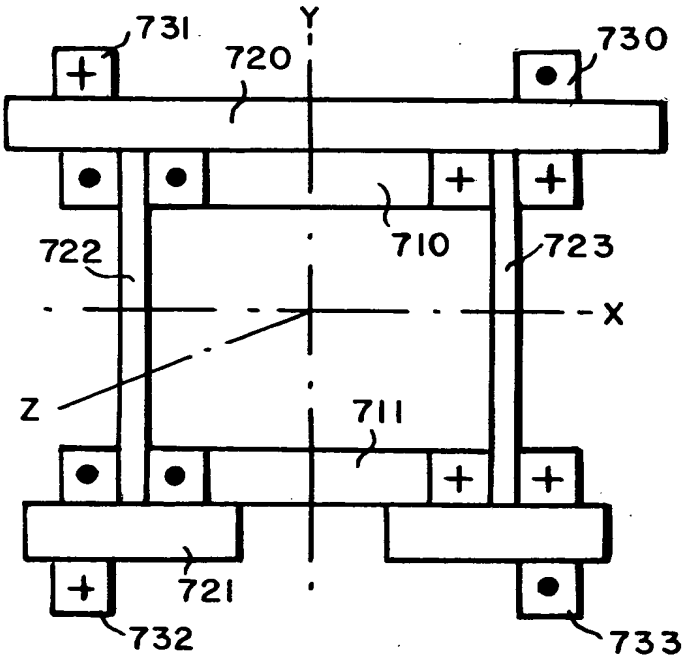

FIG. 17

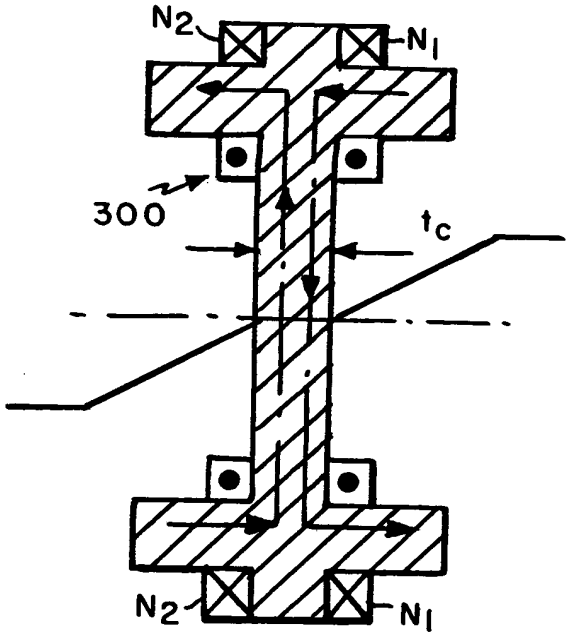

FIG. 15A

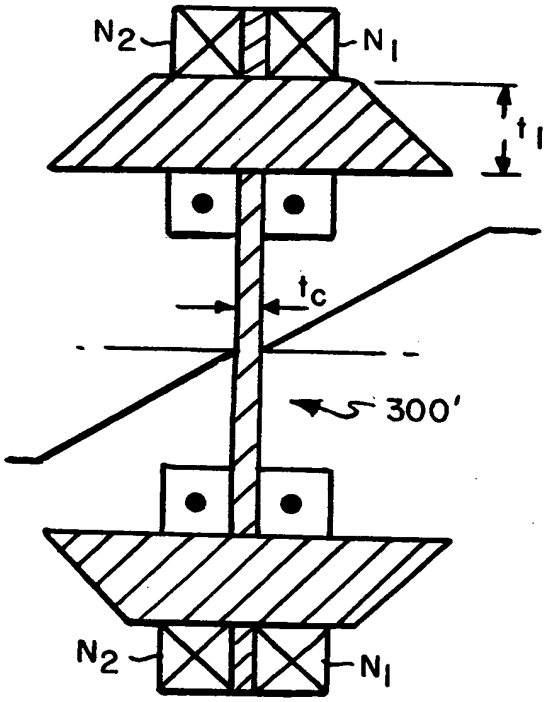

FIG. 15B

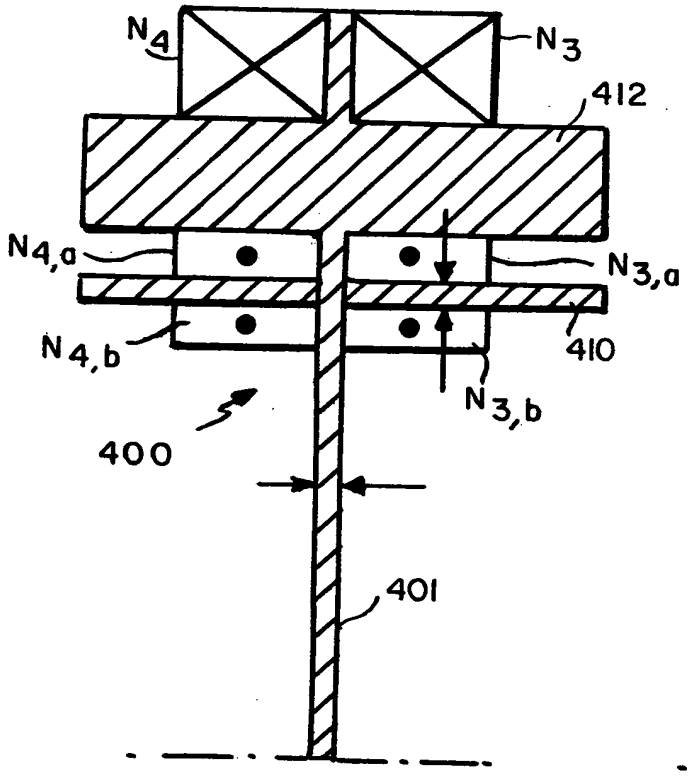

FIG. 16A

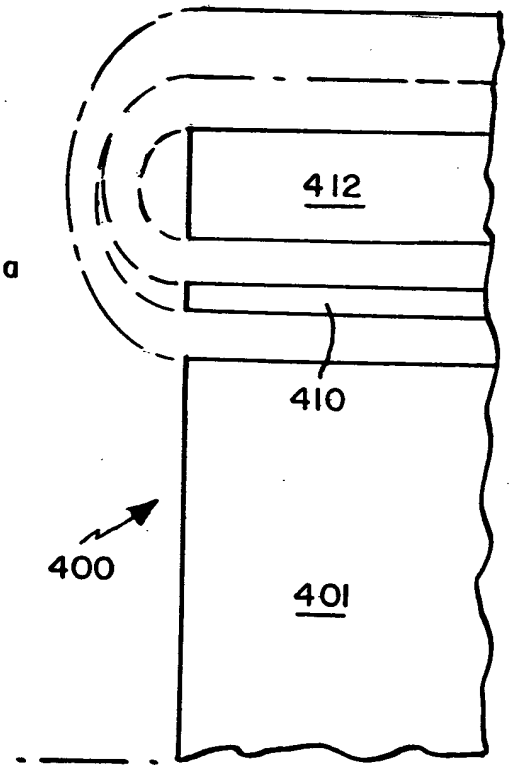

FIG. 16B